

KLEMMFILZ

Data sheet



Item number
Density
Raw material
Application

KF-03000BR24
30 kg/m³
100% wool sustainable, durable, recyclable, without synthetic additives
Interior finishing, room air renovation: Partition walls, installation level, Suspended (Acoustic-)ceiling

PRODUCT DESCRIPTION



- Clamping felt roll is the **high-performance insulation** with an exceptional thermal and sound insulation effect.
- Improved **sound-absorbing effect** in partition walls.
- For clamping between supporting structures, fasten mechanically.

WOOL PROTECTION

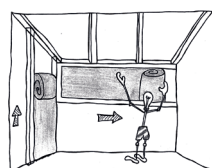
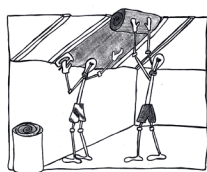


- IONIC PROTECT®** biocide-free wool protection, long-term tested by EAD/CUAP standards and patented procedure
- Is a slight alteration of the molecular protein structure of the wool fibre through a **plasma-ion treatment**. This specific process is unique as it permanently prevents the wool from being a nutritional source for wool parasites
- Through the wool protection, our products have an **unlimited shelf-life**.

INSTALLATION



- Quick installation**, no waste and dust collect. Ideally suited for working overhead.
- Insert the insulation rolls from bottom to top and fix the surface felt to the rafters by stapling it laterally.
- The rolls can be **cut to length by** tearing by hand or with the ISOLENA cutting device.



PROPERTIES



Sheep wool insulation



Air purification



Humidity regulation



Sound insulation
Fire protection



Sustainable



Wool protection

KLEMMFILZ

Data sheet



ISOLENA NEWSLETTER

Receive relevant news every
three weeks
<https://bit.ly/3iKhtKg>

Subscribe now!



FORM OF DELIVERY

DIMENSIONS*

Width: 250 – 1200mm in 25mm increments (250, 275, 300, 325, 350mm,...)

Thickness: 30 – 80mm in 10mm increments (30, 40, 50, 60 mm,...)

Article	kg/m ³	Thickness (mm)	Width (mm)	Lengths (mm)	Item /PU	PU m ²
KF30	30	30	600	9.000	2	10,80
KF30	30	40	600	6.000	2	7,20
KF30	30	50	600	6.000	2	7,20
KF30	30	50	625	6.000	2	7,50
KF30	30	60	600	6.000	2	7,20
KF30	30	80	600	4.000	2	4,80
KF30	30	80	625	4.000	2	5,00
KF30	30	80	1.200	4.000	1	4,80

Special sizes* available from a minimum
quantity of 2,74m² at no extra charge



lehnerwool



isolena.at



lehnerwool

D

TECHNICAL DATA

European technical approval

ETA-07/0214

Nature Plus®

0103-1006-099-1

Thermal conductivity λ_{tr}

0,033 W/mK

Vapour diffusion resistance factor μ

1

Specific heat capacity c

1760 J/kgK

Fire behaviour according to EN 13501-1

D-s2, d0; CH:RF3

Length-related flow resistance according to
EN 29053

$r=10,2 \text{ kPa s/m}^2$

Degree of sound absorption with a thickness of 50 mm according to ISO 354	f [Hz]	125	250	500	1.000	2.000	4.000
	α_s	0,44	0,60	0,78	0,98	1,08	1,14

Assessed degree of sound absorption D.50mm
according to ÖNORMEN ISO 11654

$\alpha_w = 0,85$

Mould growth intensity according to EN ISO 846

0



ECOLOGICAL PARAMETERS

Compliant with the NaturePlus® Life cycle assessment ISOLENA

Use of non-renewable **primary energy** without the non-renewable primary energy carriers used as raw material (**PENRE [MJ, lower calorific value]**)

23,44

MJ/kg

Global warming potential Total of GHG emissions and CO₂ storage (**GWP 100 total**)

0,83

kg CO₂-äquiv. / kg

Acidification potential of soil and water (AP)

4,63E-03

kg SO₂-äquiv. / kg

Potential for the formation of tropospheric ozone (**POCP**)

8,04E-04

kg C₂H₄-äquiv. / kg

Eutrophication potential (EP)

2,08E-03

kg PO₄³⁻-äquiv. / kg

klimaaktiv



Partner



Energy
Globe
Award